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(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
09010-004004Application No.  
09/619,032**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

Applicant  
Murphy, et al.Filing Date  
July 19, 2000Group Art Unit  
1652**U.S. Patent Documents**

| Examiner Initial | Desig. ID | Patent Number | Issue Date   | Patentee      | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------|---------------|--------------|---------------|-------|----------|----------------------------|
| DR               | AA        | 5,686,294     | Nov 11, 1997 | Sogabe et al. | 435   | 252.3    |                            |
|                  | AB        |               |              |               |       |          |                            |
|                  | AC        |               |              |               |       |          |                            |
|                  | AD        |               |              |               |       |          |                            |

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**Foreign Patent Documents or Published Foreign Patent Applications**

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |    |
|------------------|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
|                  |           |                 |                  |                          |       |          | Yes         | No |
| DR               | AE        | 0 687 732A1     | Dec 20, 1995     | EP                       |       |          |             |    |
| DR               | AF        | 0 606 008A2     | July 13, 1994    | EP                       |       |          |             |    |
|                  | AG        |                 |                  |                          |       |          |             |    |
|                  | AH        |                 |                  |                          |       |          |             |    |
|                  | AI        |                 |                  |                          |       |          |             |    |

**Other Documents (include Author, Title, Date, and Place of Publication)**

| Examiner Initial | Desig. ID | Document   |
|------------------|-----------|--|
| DR               | AJ        | O.N. Dakhova, et al., "Cloning and Expression in <i>Escherichia coli</i> of <i>Thermotoga neapolitana</i> Genes Coding For Enzymes of Carbohydrate Substrate Degradation", <u>Biochemical and Biophysical Research Communications</u> , Academic Press, Inc., Orlando, Florida, USA, vol. 194, No. 3, August 16, 1993, pages 1359-1364 |
| DR               | AK        | F. Canganella et al., "Characterization of amylolytic and pullulytic enzymes from thermophilic archaea and from a new <i>Fervidobacterium</i> species", <u>Applied Microbiology and Biotechnology</u> , Springer-Verlag, Berlin, Germany, Vol. 42, No. 2/3, 1994, pages 239-245  |
| DR               | AL        | GenBank Database Record NID g3236129 "Pyrococcus horikoshii OT3 genomic DNA, 287001-544000 nt. Position", Submitted by Tanaka et al, 7/25/98   |
|                  | AM        |  |

Examiner Signature

Date Considered

11/19/02

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.